

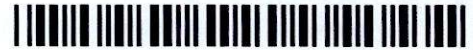


Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

647.2601

Job Sheet 200512



Part No: 647.2601

Job Qty: 1 pcs

Part Name: 407 Cable Cutter System, High



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 9/12/19

Job Tracking No:

Due Date: 10/3/19

Created By: Jennifer Renwick

Type: Stock

Description: SIOP

Note: DWG REV N/C IPP REV:A 12.09.21 NEW ISSUE DD VERF:JLM IPP REV:B 14.02.05 ADDED ITEM 26 DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs ✓	10/3/19	10/3/19	0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		DAS
							Packaging 1 - 3 ✓		80
							Packaging 1 - 4		9-89
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S244371



Part: 647.2601

Job No: 200512

Serial No/Batch: S244371

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 01/02/20

Plex 9/12/19 9:40 AM Dart.Renwick.Jennifer

					Packaging 1 - 27	
					Packaging 1 - 28	
					Packaging 1 - 29	
					Packaging 1 - 30	
					Packaging 1 - 31	
					Packaging 1 - 32	
					Packaging 1 - 33	
					Packaging 1 - 34	
					Packaging 1 - 35	
					Packaging 1 - 36	
120	QC 4	1 pcs	10/3/19	0.00 0.00	QC 4 - 28	
					QC 4 - 58	
					QC 4 - 69	
					QC 4 - 9	
					QC 4 - 46	
					QC 4 - 68	
					QC 4 - 72	DEC 2 1 2020
					QC 4 - 74	DAS
					QC 4 - 75	78
125	DC - 1 - B4B	1 pcs	10/3/19	0.00 0.00	DC - 1 - B4B	9-89
					DC - 2 - B4B	
130	Packaging 3-1 - Stock - B4B	1 pcs	10/3/19	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	

Plex 9/12/19 9:40 AM Dart.Renwick.Jennifer

FC034

140 QC 21 - SA	1 pcs	10/3/19	0.00 0.00	Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
				QC 21 - SA - 21	DAS
				QC 21 - SA - 70	70
				QC 21 - SA - 53	9-89

Part Op 110 - (Pick Kit)

Descriptions: 120 - (QC4- 100% Inspect kits for completeness)

125 - (Document Control) Photocopy bluefile & type labels per PPP 647.2601

130 - Identify and pack for shipping as per PPP 647.2601

140 - (QC21- Final Inspection - Work Order Release)

(013709)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.0990	Magnabond 6398 Part A Size 112 ml	1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit	5241630 ✓
600.0991	Magnabond 6398 Part B Size 112 ml	1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit	5241651 ✓
600.1012 05/31/2020	Sealant PR1425B2 (#654 sem) Exp Date	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5228592 ✓
601.2045 12/01/2020	RTV (LOCTITE 598) Exp Date	1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit	5164007 ✓
646.9602 ✓	Lower Cutter Assembly High	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	F165077 ✓
647.0112 ✓	Strut Bracket	6 pcs (6 ea) ✓	110-Packaging 1 - Pick Kit	5220124 ✓
647.0116 ✓	Doubler	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5039680 ✓
647.0210 ✓	Rail	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5127577 ✓
647.0310 ✓	Channel	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5096837 ✓
647.2010 ✓	Upper Strut	3 Ea (3 ea) ✓	110-Packaging 1 - Pick Kit	5160227 ✓
647.4501 ✓	Cutter Assembly	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	F132151 ✓
647.4611 ✓	Deflector	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	F104444 ✓
647.4711 ✓	Doubler	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	ol 51223 M126249 ✓
647.4712 ✓	Doubler	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	F91273 ✓
647.4713 ✓	Doubler	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	M126249 ✓
647.4714 ✓	Clip LH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	M126249 ✓
647.4715 ✓	Clip RH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	M126249 ✓
647.4716 ✓	Spacer	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	ol 51223 F91274 ✓
647.4717 ✓	Clip Aft LH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	M126249 ✓
647.4718 ✓	Clip Aft RH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	M126249 ✓
647.4719 ✓	Clip Fwd	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	M126249 ✓
648.7801 ✓	Grounding Cable Assembly	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	F91265 ✓
AN3-11A ✓	Bolt	10 Ea (10 ea) ✓	110-Packaging 1 - Pick Kit	5209077 ✓
AN3-4A ✓	Bolt	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	5228744 ✓
CCR264SS3-04 ✓	Rivet	32 Ea (32 ea) ✓	110-Packaging 1 - Pick Kit	5231286 ✓
CCR264SS3-3 ✓	Cherry Rivet	6 Ea (6 ea) ✓	110-Packaging 1 - Pick Kit	5235321 ✓
CR3212-4-3 ✓	Cherry Rivet	4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit	5216020 ✓
CR3212-4-6 ✓	Cherry Rivet	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	5133190 ✓
CR3213-4-1 ✓	Cherry Rivet	7 Ea (7 ea) ✓	110-Packaging 1 - Pick Kit	5237729 ✓
CR3213-4-2 ✓	Cherry Rivet	38 Ea (38 ea) ✓	110-Packaging 1 - Pick Kit	5211200 ✓
CR3213-4-3 ✓	Rivet, Cherry	38 Ea (38 ea) ✓	110-Packaging 1 - Pick Kit	5158593 ✓
CR3213-4-4 ✓	Rivet, Cherry	7 Ea (7 ea) ✓	110-Packaging 1 - Pick Kit	5235463 ✓
CR3213-4-5 ✓	Rivet	16 Ea (16 ea) ✓	110-Packaging 1 - Pick Kit	5235316 ✓
CR3213-4-9 ✓	Rivet	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	F128199 ✓
CR3242-4-4 ✓	Rivet	1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit	F104322 ✓
HL19PB-5-4 ✓	Hi-Lok Pin	4 pcs (4 ea) ✓	110-Packaging 1 - Pick Kit	F123301 ✓
HL70-5 ✓	Hi-Lok Collar	4 pcs (4 ea) ✓	110-Packaging 1 - Pick Kit	F123301-40 ✓
MS21042-08 ✓	Use MS21042L08 ✓	10 Ea (10 ea) ✓	110-Packaging 1 - Pick Kit	5232687 ✓
MS21042-3 ✓	Nut use MS21042L08 per QSI 017	14 Ea (14 ea) ✓	110-Packaging 1 - Pick Kit	5218152 ✓
MS21059-3 ✓	Nut Plate	10 Ea (10 ea) ✓	110-Packaging 1 - Pick Kit	F123900-3 ✓
MS21059L08 ✓	Nut	1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit	5140391 ✓
MS21071L3 ✓	Anchor Nut	8 pcs (8 ea) ✓	110-Packaging 1 - Pick Kit	5157740 ✓
MS22694-S8 ✓	Screw	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	F138333 ✓

9/12/2019

[Dart Hawkesbury] Job Sheet - Renwick, Jennifer

MS25036-109 ✓	Terminal
MS27039-08-06 ✓	Screw
MS27039-08-11 ✓	Screw
MS27039-08-13 ✓	Screw
MS27039-1-08 ✓	Screw
MS27039-1-09 ✓	Screw
MS27039-1-11 ✓	Screw
MS27039-1-12 ✓	Screw
MS27039-1-19 ✓	Screw
NAS1149F0332P ✓	Washer (AN960-10L)
NAS1149FN832P ✓	Washer (AN960-8)
NAS1835-08 ✓	Insert

1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit
2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit
1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit
21 Ea (21 ea) ✓	110-Packaging 1 - Pick Kit
4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit
4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit
1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit
7 Ea (7 ea) ✓	110-Packaging 1 - Pick Kit
4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit
46 Ea (46 ea) ✓	110-Packaging 1 - Pick Kit
30 Ea (30 ea) ✓	110-Packaging 1 - Pick Kit
2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit

F123390 ✓
S006962 ✓
F138336-10 ✓
S123937 ✓
S235222 ✓
S133788 ✓
F138326.83 ✓
S193131 ✓
S216386 ✓
S228841 ✓
S224538 ✓
F138336-5 ✓

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	600.0990	1	15	0
	600.0991	1	14	0
	600.1012	1	11	0
	601.2045	1	17	0
	646.9602	1	11	0
	647.0112	6	30	0
	647.0116	1	13	0
	647.0210	1	12	0
	647.0310	1	11	0
	647.2010	3	29	0
	647.4501	1	10	0
	647.4611	1	9	0
	647.4711	1	14	0
	647.4712	1	20	0
	647.4713	1	54	0
	647.4714	1	20	0
	647.4715	1	20	0
	647.4716	1	18	0
	647.4717	1	33	0
	647.4718	1	20	0
	647.4719	2	58	0
	648.7801	2	17	0
	AN3-11A	10	151	0
	AN3-4A	2	281	0
	CCR264SS3-04	32	183	0
	CCR264SS3-3	6	57	0
	CR3212-4-3	4	136	0
	CR3212-4-6	2	98	0
	CR3213-4-1	7	80	0
	CR3213-4-2	38	118	0
	CR3213-4-3	38	135	0
	CR3213-4-4	7	171	0
	CR3213-4-5	16	238	0
	CR3213-4-9	2	139	0
	CR3242-4-4	1	103	0
	HL19PB-5-4	4	64	0
	HL70-5	4	68	0
	MS21042-08	10	2	0
	MS21042-3	14	466	0
	MS21059-3	10	243	0
	MS21059L08	1	149	0
	MS21071L3	8	43	0
	MS24694-S8	2	225	0
	MS25036-109	1	72	0
	MS27039-08-06	2	296	0
	MS27039-08-11	1	1,012	0
	MS27039-08-13	21	355	0
	MS27039-1-08	4	233	0
	MS27039-1-09	4	316	0
	MS27039-1-11	1	218	0
	MS27039-1-12	7	130	0
	MS27039-1-19	4	205	0
	NAS1149F0332P	46	2,002	0
	NAS1149FN832P	30	2,159	0
	NAS1835-08	2	73	0

Part Specifications

Specifications could not be found.

Plex 9/12/19 9:40 AM Dart.Renwick.Jennifer

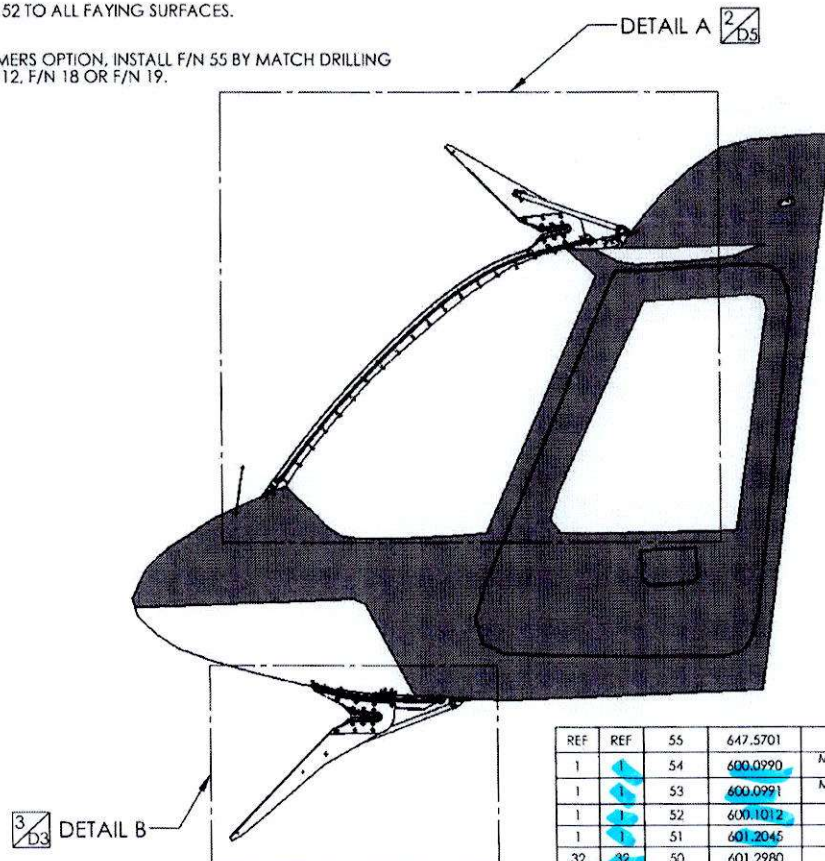
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

UNINCORPORATED ECN(S)

03049, 03090, 03218,

NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 51 TO FILL GAPS AND FILLET EDGES
- 2 APPLY F/N 52 TO ALL FAYING SURFACES.
- 3 AT CUSTOMERS OPTION, INSTALL F/N 55 BY MATCH DRILLING ONTO F/N 12, F/N 18 OR F/N 19.



647.2601 SHOWN
647.2602 TYP

REF	REF	55	647.5701	GPS MOUNT KIT		
1	1	54	600.0990	MAGNOBOND 6398 PART A		
1	1	53	600.0991	MAGNOBOND 6398 PART B		
1	1	52	600.1012	SEALANT		
1	1	51	601.2045	RTV		
32	32	50	601.2980	NUTPLATE RIVET	CCR26455-3-04	
6	6	49	601.2207	NUTPLATE RIVET	CCR26455-3-03	
1	1	48	601.2356	NUTPLATE	MS21059L08	
10	10	47	601.1900	NUTPLATE	MS21059-3	
8	8	46	601.2957	NUTPLATE	MS2107H13	
2	2	45	601.2638	WASHER	NAS1149F032P	
37	37	44	601.1607	WASHER	NAS1149F0332P	
55	55	43	601.2764	WASHER	NAS1149F0332P	
10	10	42	601.2943	LOCKNUT	MS21042-3	
27	27	41	601.2973	LOCKNUT	MS21042-08	
2	2	40	601.2984	INSERT	NAS11635-08	
2602	2601	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

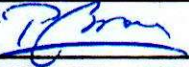
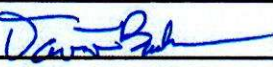
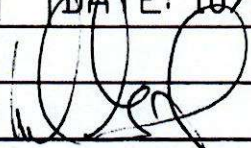
4	4	39	601.3112	HI-LOK COLLAR	HL70-5	
4	4	38	601.3113	HI-LOK PIN	HL19PB-5-14	
1	1	37	601.2983	RIVET	CR3212-5-4	
38	38	36	601.1039	RIVET	CR3213-4-2	
10	10	35	601.2991	RIVET	CR3213-4-6	
19	19	34	601.0790	RIVET	CR3213-4-3	
7	7	33	601.1915	RIVET	CR3213-4-4	
27	27	32	601.1183	RIVET	CR3213-4-5	
2	2	31	601.1339	RIVET	CR3212-4-6	
4	4	30	601.1065	RIVET	CR3212-4-3	
7	7	29	601.2979	RIVET	CR3213-4-1	
2	2	28	601.3114	SCREW	MS27039-1-06	
2	2	27	601.1621	SCREW	MS27039-1-08	
9	9	26	601.1953	SCREW	MS27039-0812	
1	1	25	601.1949	SCREW	MS27039-1-11	
26	26	24	601.2765	SCREW	MS27039-0819	
2	2	23	601.2535	SCREW	MS2469-4C9	
4	4	22	601.3069	SCREW	MS27039-1-09	
10	10	21	601.2826	BOLT	AN3-11A	
2	2	20	601.3118	BOLT	AN3-3	
1	1	19	646.9602	LOWER CUTTER ASSY HIGH		
1	1	18	646.9603	LOWER CUTTER ASSY LOW		
6	6	17	647.0112	STRUT BRACKET		
1	1	16	647.0116	DOUBLER		
1	1	15	647.0210	RAIL		
1	1	14	647.0310	CHANNEL		
3	3	13	647.2010	STRUT		
1	1	12	647.4601	CUTTER ASSY		
1	1	11	647.4611	DEFLECTOR		
1	1	10	647.4711	DOUBLER		
1	1	9	647.4712	DOUBLER		
1	1	8	647.4713	BRACKET		
1	1	7	647.4714	CLIP LH		
1	1	6	647.4715	CLIP RH		
2	2	5	647.4719	CLIP FWD		
1	1	4	647.4716	SPACER		
1	1	3	647.4717	CLIP AFT LH		
1	1	2	647.4718	CLIP AFT RH		
1	1	1	647.3201	GROUNDING CABLE ASSY		
			647.2602	407 CABLE CUTTER KIT LOW		
			647.2601	407 CABLE CUTTER KIT HIGH		
2602	2601	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

QTY		PARTS LIST	
NEXT ASSY (S)	ORIGINAL DATE	APICAL INDUSTRIES	
	DESIGNED BY	2608 TEMPLE HEIGHTS DR.	
	DRAWN BY	OCEANSIDE, CA 92056-3512 (760)724-5300	
	CHECKED BY	407 CABLE CUTTER KIT	
	APPROVED BY		
	CONTRACT NO.		
UNLESS OTHERWISE SPECIFIED		SIZE	REV.
DIMENSIONS ARE IN INCHES		B	07M26
2 PLACE DECIMALS 1/16		647.2600	
3 PLACE DECIMALS 1/32		SCALE	SHEET
ANGLES 1/2°		NONE	1 OF 3

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03090				SHEET 1 OF 2	
	DWG NO. 647.2600	REV: N/C	PREPARED BY R. ROSANO	DATE: 04/28/11	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 407 CABLE CUTTER KIT					
APPROVED BY:		ENGR	MFG	QC	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED TO AND REVISED BOM, REVISED CALLOUTS IN DRAWING VIEWS				

58	A	601.1948	4	4	SCREW	MS27039-1-19	
57	A	601.2893	1	1	SCREW	MS27039-0811	
56	A	601.2988	21	21	SCREW	MS27039-0813	
44	R	601.1607	46	46	WASHER	NAS1149F0332P	
43	R	601.2764	36	36	WASHER	NAS1149FN832P	
42	R	601.2943	14	14	LOCKNUT	MS21042-3	
41	R	601.2973	10	10	LOCKNUT	MS21042-08	
38	R	601.3305	4	4	HI-LOK PIN	HL19PB-5-4	
24	D	601.2765	26	26	SCREW	MS27039-0819	
1	R	648.7801	2	2	GROUNDING CABLE ASSY		
F/N	TC	PART NUMBER	QTY	QTY	DESCRIPTION	MATERIAL	SPECIFICATION

DOCUMENTS EFFECTED:	☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☒ BOM	CHANGE CATEGORY	DER REVIEW REQUIRED
		☐ MAJOR ☒ MINOR	☐ YES ☒ NO

APICAL INDUSTRIES, INC.		ENGINEERING CHANGE NOTICE NO. 03218					SHEET 1 OF 3	
		DWG NO. 647.2600		REV: N/C		PREPARED BY R. ROSANO	DATE: 10/24/11	EFFECT ON DWG ☐ INC. ☒ UNINC.
		DWG TITLE: 407 CABLE CUTTER KIT						
		APPROVED BY: ENGR. 	MFG 	QC 	EFF: CURRENT ORDER			
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED TO AND REVISED BOM, REVISED CALLOUTS IN DRAWING VIEWS, ADDED DELTA NOTE 4 & 5, REVISED DELTA NOTE 1, ADDED DETAIL F, ADDED SHEET 4						
60	A	601.3447	1	1	TERMINAL	MS25036-109	△ 5	
59	A	601.3071	2	2	RIVET	CR3213-4-9		
52	R	600.1012	1	1	SEALANT		△ 2	
51	R	601.2045	1	1	RTV		△ 1	
45	D	601.2638	2	2	WASHER	NAS1149F0432P		
43	R	601.2764	30	30	WASHER	NAS1149FN832P		
37	R	601.3446	1	1	RIVET	CR3242-4-4		
35	D	601.2991	10	10	RIVET	CR3213-4-6		
34	R	601.0790	38	38	RIVET	CR3213-4-3		
32	R	601.1183	16	16	RIVET	CR3213-4-5		
28	R	601.3000	2	2	SCREW	MS27039-0806		
27	R	601.1621	4	4	SCREW	MS27039-1-08		
26	R	601.1953	7	7	SCREW	MS27039-1-12		
23	R	601.3153	2	2	SCREW	MS24694S8		
20	R	601.2823	2	2	BOLT	AN3-4A		
1	R	648.7801	2	2	GROUNDING CABLE ASSY		△ 5	
F/N	TC	PART NUMBER	QTY	QTY	DESCRIPTION	MATERIAL	SPECIFICATION	
DOCUMENTS EFFECTED:					☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☒ BOM		CHANGE CATEGORY ☐ MAJOR ☒ MINOR	
							DER REVIEW REQUIRED ☐ YES ☒ NO	